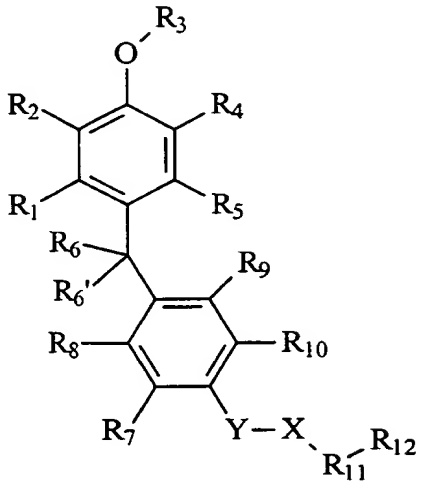
What is claimed is:

1. A compound characterized by the structure:



and pharmaceutically acceptable salts, hydrates, and biohydrolyzable amides, esters, and imides thereof, wherein:

R_1, R_2, R_5, R_7, and R_{10} are each, independently, selected from the group consisting of hydrogen, halogen, alkyl, alkenyl, alkynyl, heteroalkyl, heteroalkenyl, and heteroalkynyl;

R_4 is selected from the group consisting of halogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, arylalkyl, heteroalkyl, heteroalkenyl, heteroalkynyl, heterocycloalkyl, heterocycloalkenyl, heteroaryl, heteroarylalkyl, and heteroarylalkenyl; with the proviso that when R_2 is hydrogen, Y is $-CH_2CHK_1$, X is selected from the group consisting of -NZ- and -NH-, and R_{12} is C_1 - C_4 alkyl, wherein K_1 is selected from hydrogen and C_1 - C_4 alkyl and Z is C_1 - C_4 alkyl, then R_4 is not arylalkyl;

R_8 and R_9 are each, independently, selected from the group consisting of hydrogen, halogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, arylalkyl, heteroalkyl, heteroalkenyl, heteroalkynyl, heterocycloalkyl, heterocycloalkenyl, heteroaryl, heteroarylalkyl, and heteroarylalkenyl; with the proviso that at least one of R_8 and R_9 is not hydrogen;

R_3 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, arylalkyl, heteroalkyl, heteroalkenyl, heteroalkynyl, heterocycloalkyl, heterocycloalkenyl, heteroaryl, heteroarylalkyl and heteroarylalkenyl;

R_6 and R_6' are each, independently, selected from the group consisting of hydrogen, halogen, hydroxy, amino, nitro, cyano, carboxy, thiol, alkyl, alkenyl, alkynyl, heteroalkyl, heteroalkenyl, and heteroalkynyl; and with the proviso that optionally R_6 and R_6' together are selected from the group consisting of oxo and thioxo;

Y is selected from the group consisting of bond, alkyl, alkenyl, alkynyl, heteroalkyl, heteroalkenyl, and heteroalkynyl;

X is selected from the group consisting of -NZ-, -NH- and -O-;

R_{11} is selected from the group consisting of bond and -C(O)-; with the proviso that when Y is bond and X is -O- then R_{11} is -C(O)-;

R_{12} is selected from the group consisting of alkyl, alkenyl, alkynyl, heteroalkyl, heteroalkenyl, heteroalkynyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, aryl, arylalkyl, heteroaryl, heteroarylalkyl, and heteroarylalkenyl; with the provisos that: when R_{11} is bond, then R_{12} and Z are optionally bonded together to form a cycle selected from the group consisting of cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, aryl, and heteroaryl; when R_{12} is heteroalkyl, heteroalkenyl, heteroalkynyl, heterocycloalkyl, heterocycloalkenyl, heteroaryl, heteroarylalkyl, or heteroarylalkenyl, then a heteroatom of R_{12} is not directly covalently bonded to R_{11}; and when Y is bond, X is -O-, and R_{11} is -C(O)-, then R_{12} is not alkyl; and

Z is selected from the group consisting of alkyl, alkenyl, alkynyl, heteroalkyl, heteroalkenyl, and heteroalkynyl; with the proviso that when R_{11} is bond, then R_{12} and Z are optionally bonded together to form a cycle selected from the group consisting of cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, aryl, and heteroaryl.

2. A compound according to claim 1 wherein Y is bond; and wherein each of R_8 and R_9 is not hydrogen.

3. A compound according to any of the preceding claims wherein X is selected from the group consisting of -NH- and -NZ-.

4. A compound according to any of the preceding claims wherein R_4, R_8, and R_9 are each, independently, selected from the group consisting of halogen, alkyl, alkenyl, and heteroalkyl; and wherein R_3 is selected from the group consisting of hydrogen and lower alkyl.

5. A compound according to any of the preceding claims wherein R_6 and R_6' are each, independently, selected from the group consisting of hydrogen, halogen, hydroxy, and lower alkyl; with the proviso that optionally R_6 and R_6' together are oxo.

6. A compound according to any of the preceding claims wherein R_{12} is selected from the group consisting of alkyl, heteroalkyl, arylalkyl, and heteroarylalkyl; with the proviso that when R_{11} is bond, then R_{12} and Z are optionally bonded together to form a cycle selected from the group consisting of cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, aryl, and heteroaryl.

7. A compound according to any of the preceding claims wherein R_1, R_2, R_5, R_7, and R_{10} are each hydrogen.

8. A compound according to any of the preceding claims wherein X is -NZ- and Z is C_1 - C_3 alkyl; with the proviso that when R_{11} is bond, then R_{12} and Z are bonded together to form a cycle selected from the group consisting of cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl, aryl, and heteroaryl.

9. A composition characterized by a compound according to any of the preceding claims and a carrier.

10. A method of treating hair loss comprising administering to a mammal a composition according to Claim 9.